

Stereo-Fernseh-Empfänger

Ident-Nr. 68317

Serviceanweisung
Service manual



Diese Service-Unterlage wurde ausschließlich
für autorisiertes Fachpersonal erstellt.
Für Eingriffe durch nicht autorisierte Personen
übernimmt der Hersteller keine Haftung.

This service manual was only made for
authorized specialists.
For interventions by not authorized persons
Schneider doesn't take possession of liability.

Inhalt

Abgleichanweisung	3-10
Anschlußzeichnung Transistoren, IC und Tuner	18
Bestellhinweis	24
Bestückungsplan Bildrohrplatine	16
Bestückungsplan Grundplatine	11+15
Bestückungsplan IR-Empfänger	16
Blockdiagramm	19
Ersatzteillisten	21-22
Explosionsdarstellung Gehäuse	20
Notizen	24
Schaltbild	12-14
Technische Daten	23
Verdrahtungsplan	17

Table of contents

Alignment instruction	3-10
Block diagram	19
Component diagram	12-14
Component diagram crt board	16
Component diagram main board	11+15
Circuit diagram receive board	16
Exploded view diagram	20
Hints for order	24
Identify transistor, I.C. and tuner	18
Notes	24
Spare parts list	21-22
Specification	23
Wiring diagram	17

Abgleichanweisung Alignment instruction

I. PLEASE READ BEFORE ATTEMPTING SERVICE

1. Never disconnect any leads while receiver is in operation.
2. Disconnect all power before attempting any repairs.
3. Do not short any portion of the circuit while power is on.
4. For safety reasons, all parts replaced should be identical, (for parts and part numbers see parts list).
5. Before alignment the set must be pre-heated for 30 minutes or more and erase magnetism thoroughly from CRT front chassis frame by erase coil.

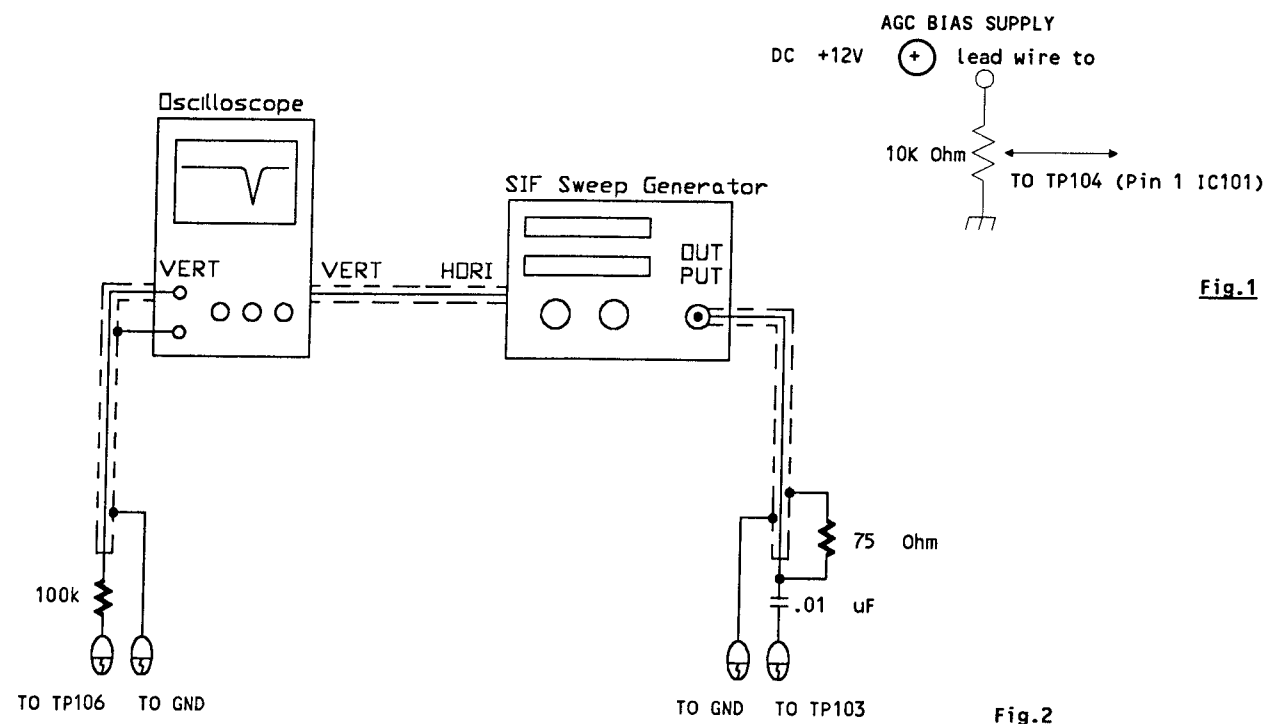
II. TEST EQUIPMENT

- | | |
|---|--|
| 1. VIF Sweep Generator | 8. High Voltage Meter |
| 2. SIF Sweep Generator | 9. Ampere Meter (0.5 Class, DC 3mA Max.) |
| 3. Colour Bar/Dot/Cross Hatch Generator | 10. Demagnetizing Coil |
| 4. DC Power Supply (14V) | 11. Philips Pattern Generator |
| 5. Oscilloscope | 12. Frequency Counter |
| 6. Vacuum Tube Voltmeter | 13. Continuous Waveform Generator |
| 7. Volt Ohmmeter | |

III. TANK COIL ALIGNMENT

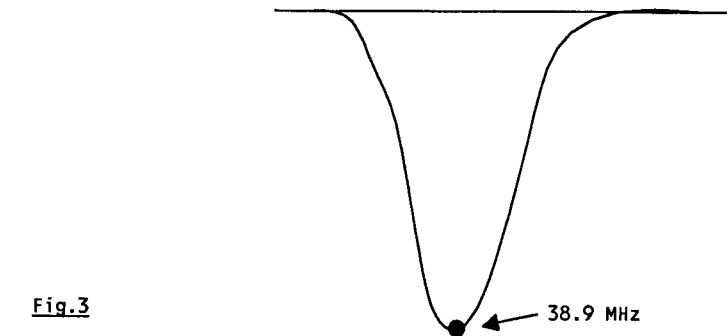
A. PREPARATION STEP (SEE FIG.2)

1. Connect OUTPUT lead of VIF Sweep Generator between TP103 (Pin 4 of IC101) and ground.
2. Connect lead of FROM DET between TP106 (Pin 19 of IC101) and ground.
3. Apply a +14V DC across C423 (+).
4. Apply a +5.2V DC dummy AGC bias to TP104 (Pin 1 of IC101). (See Fig.1)



B. ALIGNMENT STEP (SEE FIG.3)

1. Set output level to 6Vp-p.
2. Adjust T104 (TANK COIL) to obtain maximum amplitude of response at 38.9MHz as in Fig.3.



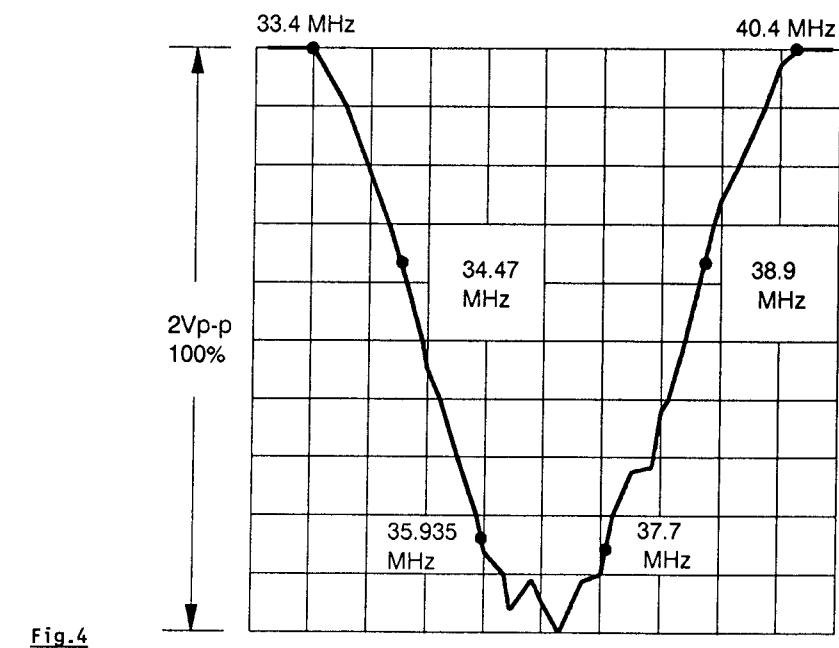
IV. VIF ALIGNMENT

A. PREPARATION STEP (SEE FIG.4)

1. Connect output lead of VIF Sweep Generator between tuner test point TP and tuner case.
2. Connect resistor (100 Ohm) between TP109 and TP120.
3. Connect lead of FROM DET between TP106 (Pin 19 of IC101) and ground.
4. Apply a +14V DC across C423 (+).
5. Apply a +5.2V DC dummy AGC bias to TP104 (Pin 1 of IC101).

B. ALIGNMENT

1. Adjust AGC bias voltage for maximum amplitude of waveform.
2. Adjust the level of Sweep Generator to achieve 2Vp-p output.
3. Increase the output level of Sweep Generator in 30dBuV.
4. Adjust AGC bias voltage to achieve 5Vp-p output (on Oscilloscope).
5. Adjust tuner convertor coil to obtain the waveform as shown below.

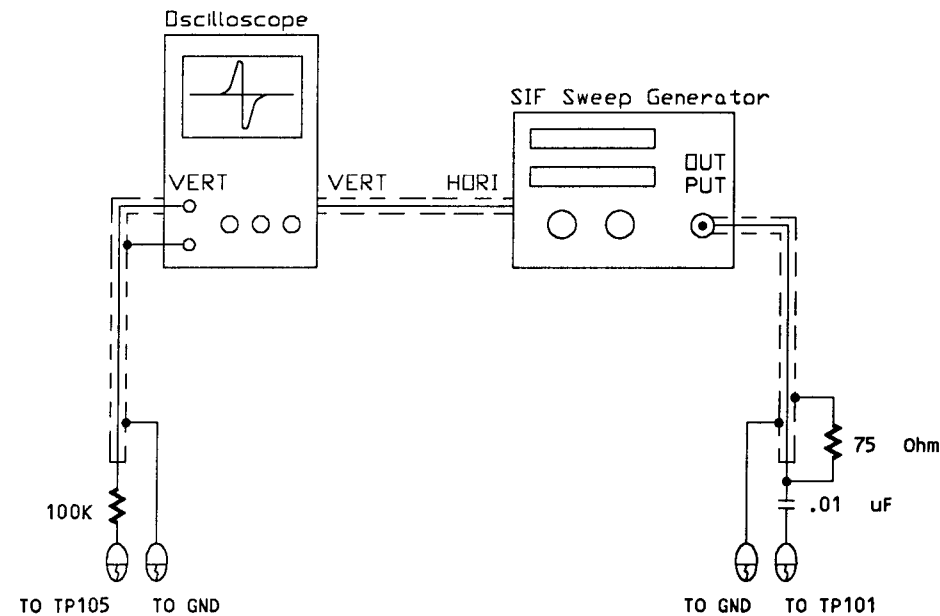


IV. AFC ALIGNMENT

A. PREPARATION STEP (SEE FIG.5)

1. Connect the signal output of Sweep/Market Generator to TP101.
2. Connect the vertical input terminal of Sync. Oscilloscope to TP105.
3. Apply a +14V DC across C423 (+).
4. Apply a +5.2V DC to TP104 (Pin 1 of IC101).

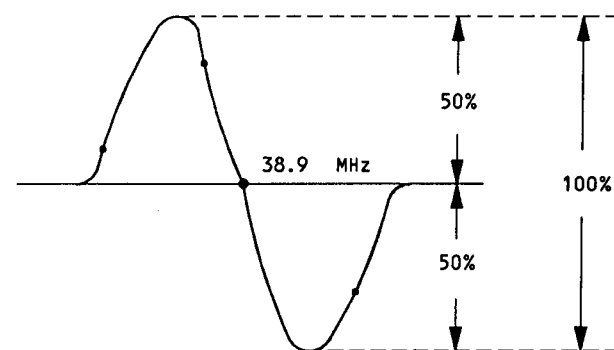
Fig.5



B. ALIGNMENT STEP

1. Adjust the output level of Sweep Generator in 30-40dB.
2. Adjust waveform to 6Vp-p.
3. Adjust T105 (AFC COIL). For waveform as shown in Fig.6.

Fig.6



VI. SIF ALIGNMENT

A. PREPARATION STEP (SEE FIG.7)

1. Connect output lead of SIF Sweep Generator between TP107 (Pin 18 of IC101)
2. Connect lead of FROM DET between TP108 (Pin 8 of IC101).
3. Supply DC +14V to C423 (+).
4. Connect TP104 to GND (Pin 1 of IC101).

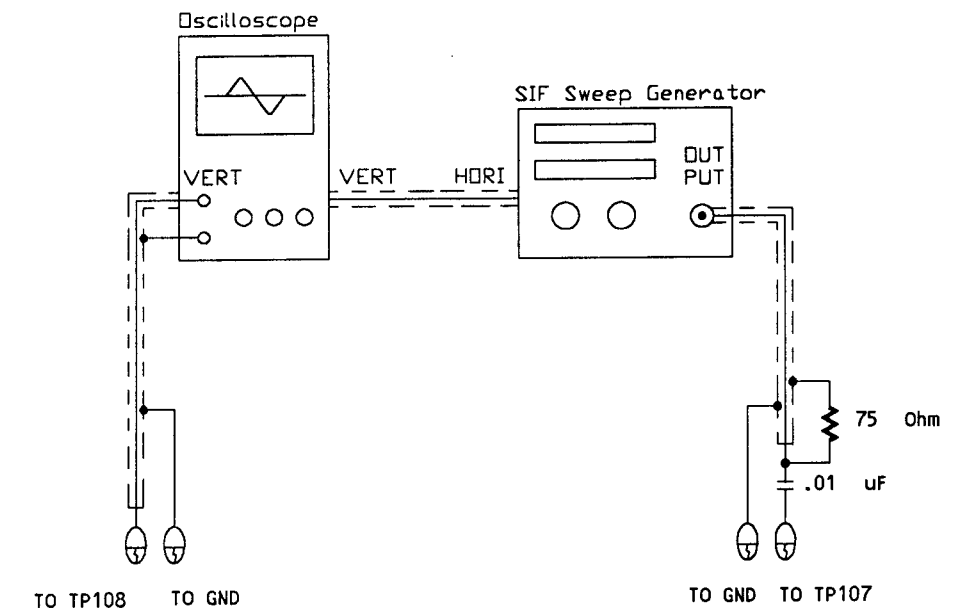
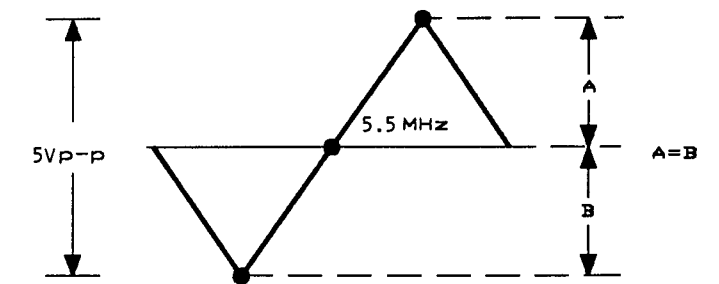


Fig.7

B. ALIGNMENT STEP

1. Adjust output of Sweep Generator to achieve 5Vp-p between markers of 100KHz.
 2. Adjust T103 so that sound carrier is centered as in Fig.8.
 3. Confirm the waveform as in Fig.8.
- NOTE: Input Level : 90dB.

Fig.8



VII. COLOUR DEMODULATOR ALIGNMENT, DELAY LINE ALIGNMENT

1. Receive Philips Pattern.
2. Set Contrast control to minimum position.
3. Set Colour control to maximum position.
4. Connect Oscilloscope to TP301 (B-out).
5. Adjust CT301 to obtain the waveform as in Fig.9.
6. Adjust VR305 to obtain the waveform as in Fig.9.
7. Adjust T301 to obtain the waveform as in Fig.9.

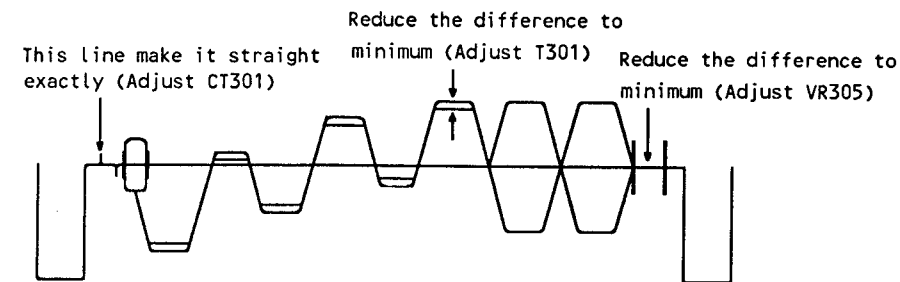


Fig.9

VIII. B+ ADJUSTMENT

1. Connect the digital voltmeter to TP901.
2. Adjust semi-fixed resistor VR901 until meter reading DC 115V.

IX. VERTICAL CIRCUIT ADJUSTMENT

1. Without RF input signal connect the Frequency Counter between V-DEFLECTION YOKE and GROUND.
2. Adjust V-HOLD (VR303) to the reading 44Hz.
3. Receive Monoscope Pattern.
4. Adjust V-SIZE (VR401) control to obtain a normal picture.

X. HORIZONTAL CIRCUIT ADJUSTMENT

1. Receive Monoscope Pattern input signal 80dBuV.
2. IC302 (Pin 28,29) short by 1K Ohm resistor.
3. Adjust VR302 to obtain the picture running at center.
4. Remove the 1K Ohm resistor.
5. Adjust VR301 to change the horizontal of the pattern for center.

XI. TELETEXT PICTURE ALIGNMENT

1. Receive a pattern with teletext signal.
2. Select a teletext page.
3. Connect an oscilloscope to TP801.
4. Without the RF signal.
5. Adjust T801 to obtain the TV horizontal sync.
6. Exactly same as teletext sync. as shown in Fig.10.

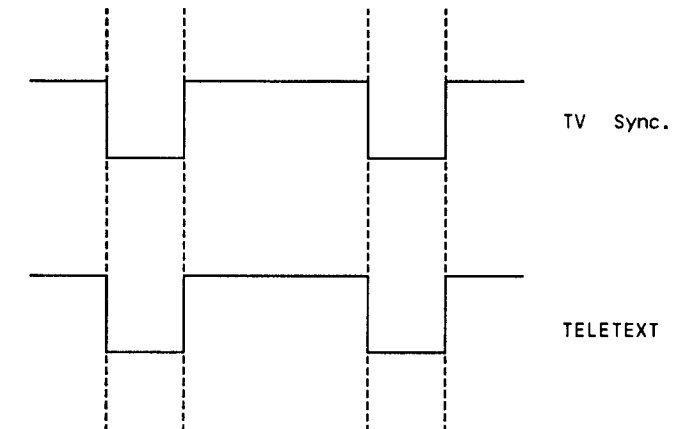


Fig.10

XII. WHITE BALANCE ADJUSTMENT

1. Receive a Monoscope Pattern picture signal.
2. Turn the red, green and blue LOW LIGHT (VR501, VR502, VR503) controls to middle position and turn the DRIVE (VR504, VR505) control to middle position.
3. Turn the Screen control on the FBT to minimum position.
4. Set the Sub-Brightness (VR304) control to middle position, then set the Contrast control and Colour control to minimum position.
5. Connect volt meter to the emitter of Q505 and GND, and adjust Sub-Brightness control to the reading of DC 1.4V.
6. Set the Service (S401) to "SERVICE" position.
7. Slowly turn the Screen control clockwise to the point where a horizontal line just illuminates.
8. Adjust VR501 to get a red horizontal line on CRT.
9. Adjust VR502 to get a yellow horizontal line on CRT.
10. Adjust VR503 to get a white horizontal line on CRT.
11. Reset the Service Switch (S401) to normal position and turn Brightness control to middle position.
12. Adjust Drive (VR504, VR505) control to obtain a uniform white picture.

XIII. FOCUS ADJUSTMENT

1. Set Contrast control to maximum position and Brightness control to middle position.
2. Adjust Focus control (on the FBT) to obtain a sharpest picture on the CRT.

XIV. RF AGC

1. Connect a TV signal (224.25MHz, 60dB) from centre system to the tuner.
2. A digital voltmeter is connected to the AGC terminal of tuner (Pin 4).
3. Adjust VR101 until the voltmeter reads 4.8V.

XV. SUB-BRIGHTNESS ALIGNMENT

1. Receive a Monoscope Pattern.
2. Set controls as follows :
BRIGHTNESS control MIN. position.
CONTRAST control MIN. position.
COLOUR control MIN. position.
3. Adjust SUB-BRIGHTNESS (VR304) control until light just appears on the screen.

XVI. COLOUR PURITY ADJUSTMENT (SEE FIG.12)

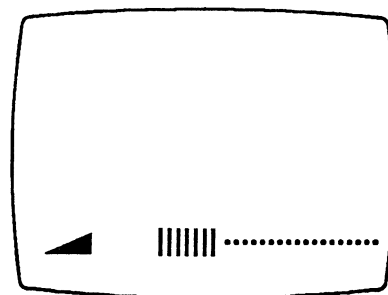
BEFORE ALL ADJUSTMENT DESCRIBED BELOW ARE ATTEMPTED, V-HOLD, H-HOLD, V-HIGH, B+ VOLTAGE AND FOCUSING ADJUSTMENT MUST BE COMPLETED.

1. Place the TV receiver facing NORTH or SOUTH.
2. Plug in TV receiver and turn in on.
3. Operate the TV receiver over 30 minutes.
4. Fully degauss the TV receiver by using an external degaussing coil.
5. Receive a crosshatch pattern and adjust the static convergence, control roughly.
6. Loosen the clamp screw of the deflection yoke and pull the deflection yoke towards you.
7. Fully turn the red and blue Drive (VR503, VR505) controls counter-clockwise.
8. Adjust the purity magnets so that green field is obtained at the center of the screen.
9. Slowly push the deflection yoke towards bell of CRT and set it where a uniform green field is obtained.
10. Tighten the clamp screw of the deflection yoke.

XVII. ON SCREEN ADJUSTMENT (SEE FIG.11)

1. Receive the Monoscope Pattern.
2. Adjust ON SCREEN (VR601) for adjust the lettering to center of CRT.

Fig.11



XVIII. CONVERGENCE ADJUSTMENT (SEE FIG.12)

1. Receive a crosshatch pattern.
2. Unfix the convergence magnet clumper and align red with blue dots at the center of the screen by rotating (R,B) static convergence magnets.
3. Align Red/Blue with green dots at the center of the screen by rotating (RB-G) static convergence magnet.
4. Fix the convergence magnets by turning the clumper.
5. Remove the DY wedges and slightly tilt the deflection yoke horizontally and vertically to obtain the good overall convergence.
6. Fix the deflection yoke by wedges.
7. If purity error is found, follow "PURITY ADJUSTMENT" instructions.

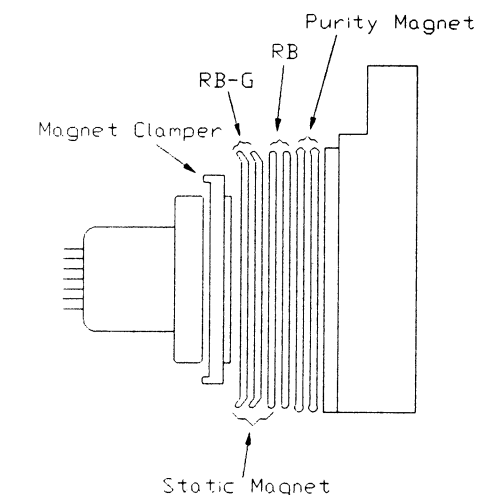
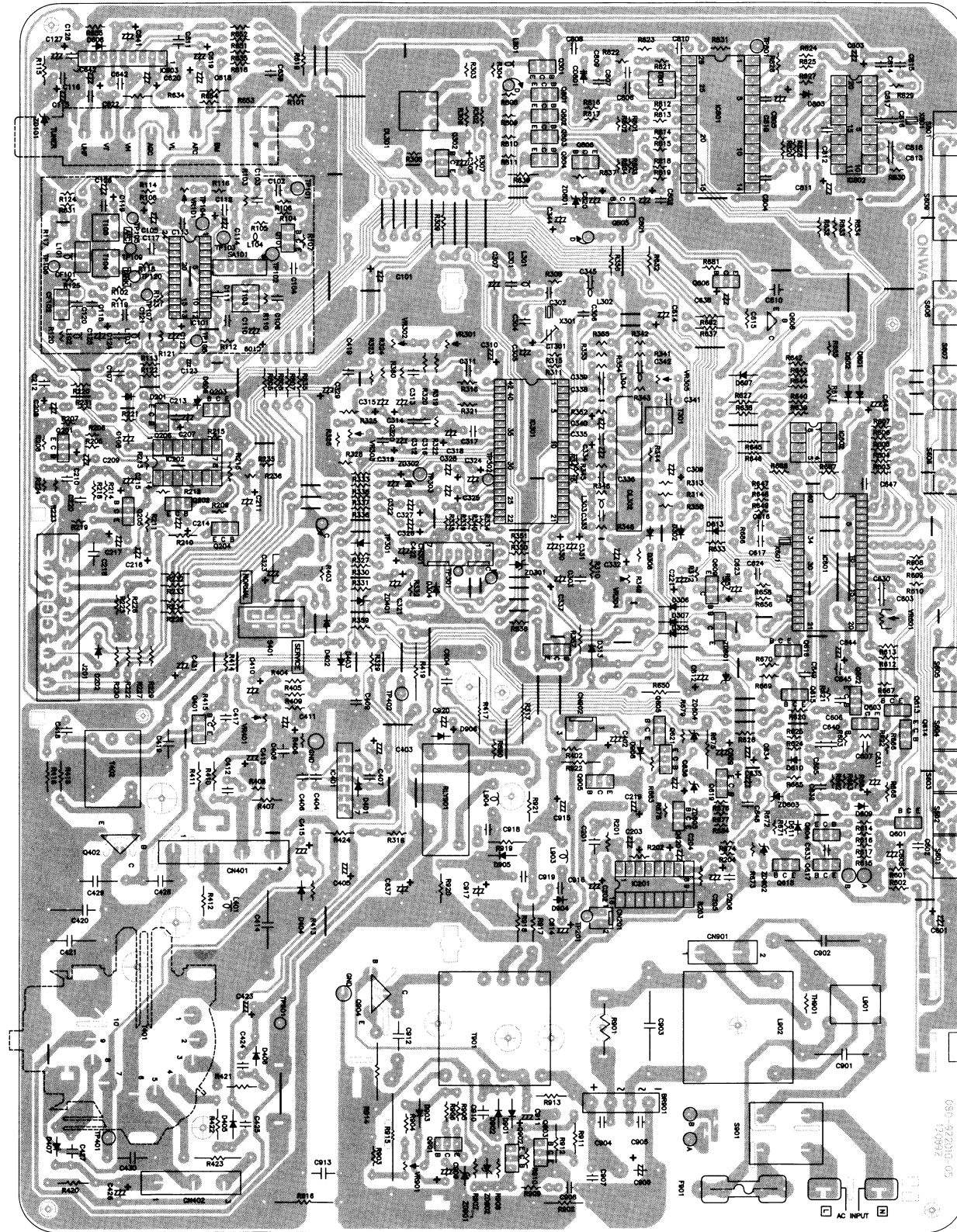


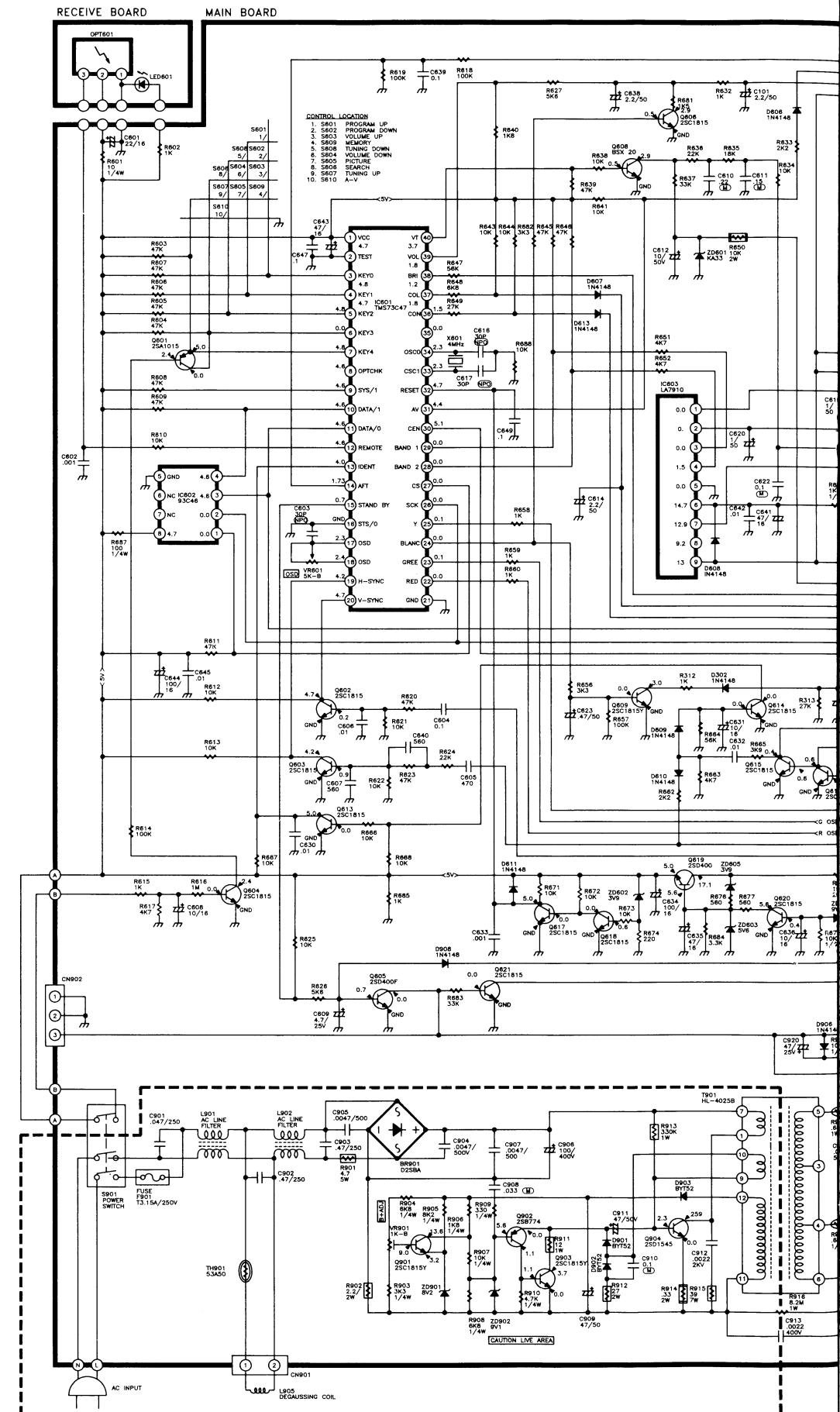
Fig.12

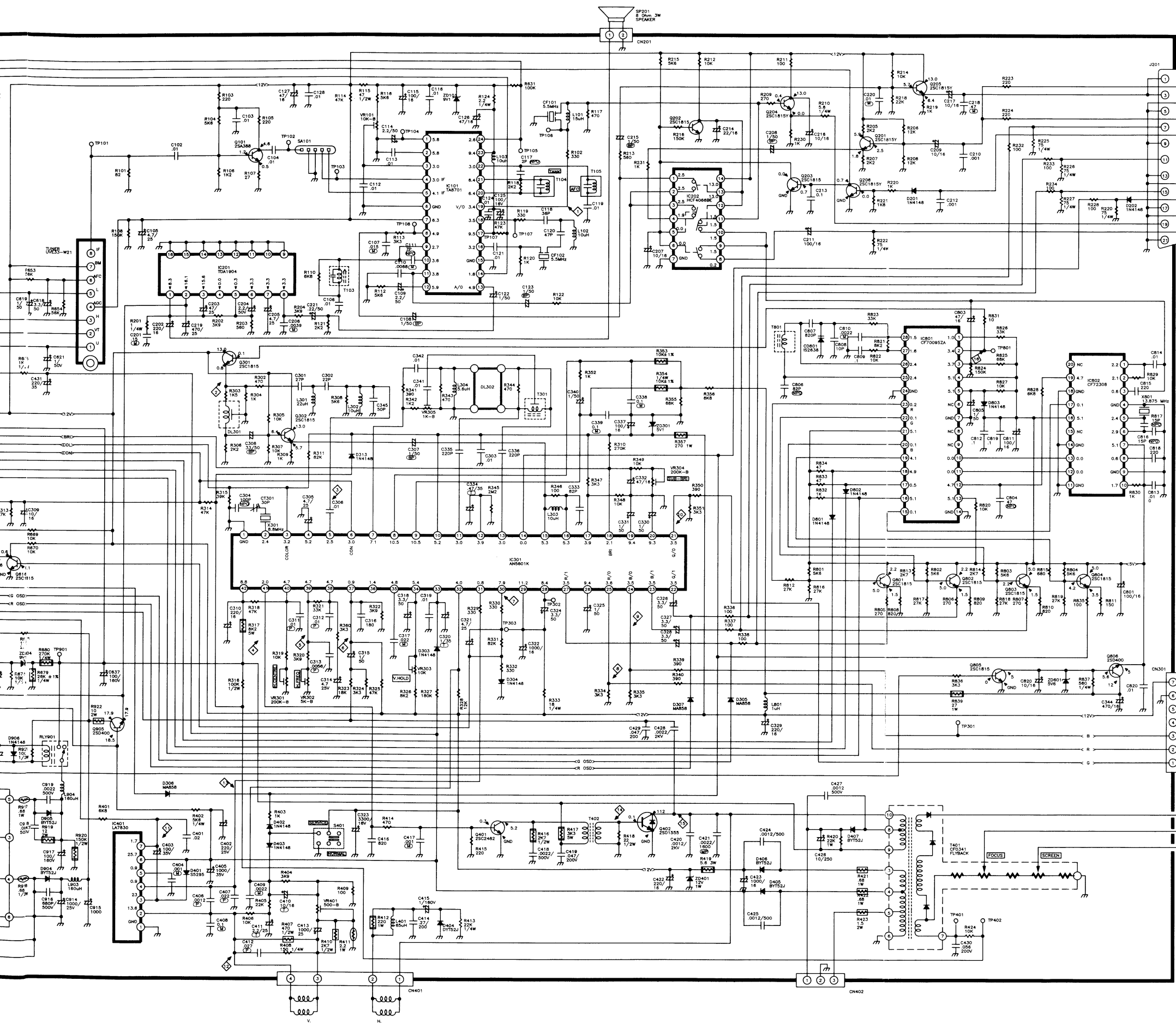
Bestückungsplan Grundplatine (Lötseite)

Component diagram of main board (bottom view)

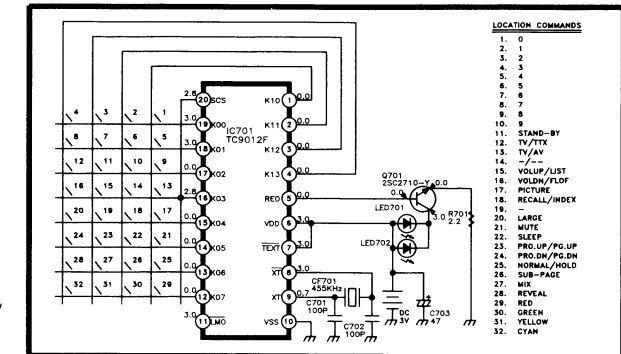


Schaltbild
Circuit diagram

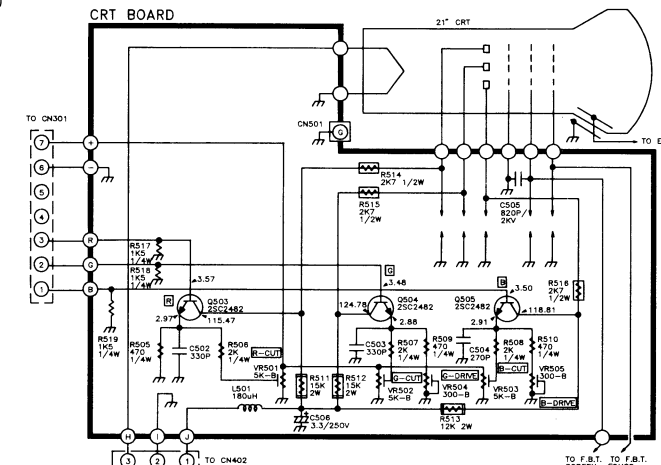




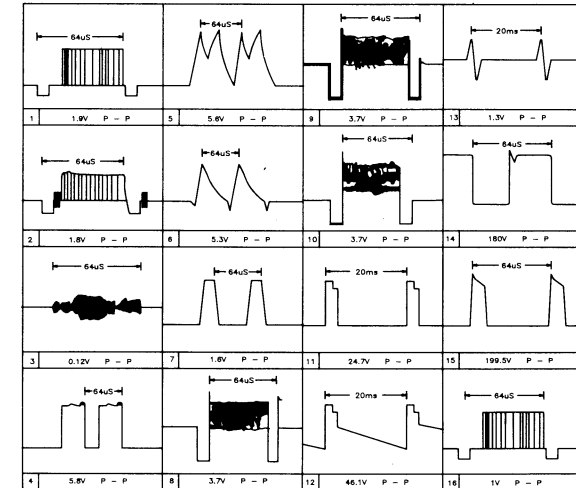
HANDSET BOARD



CRT BOARD



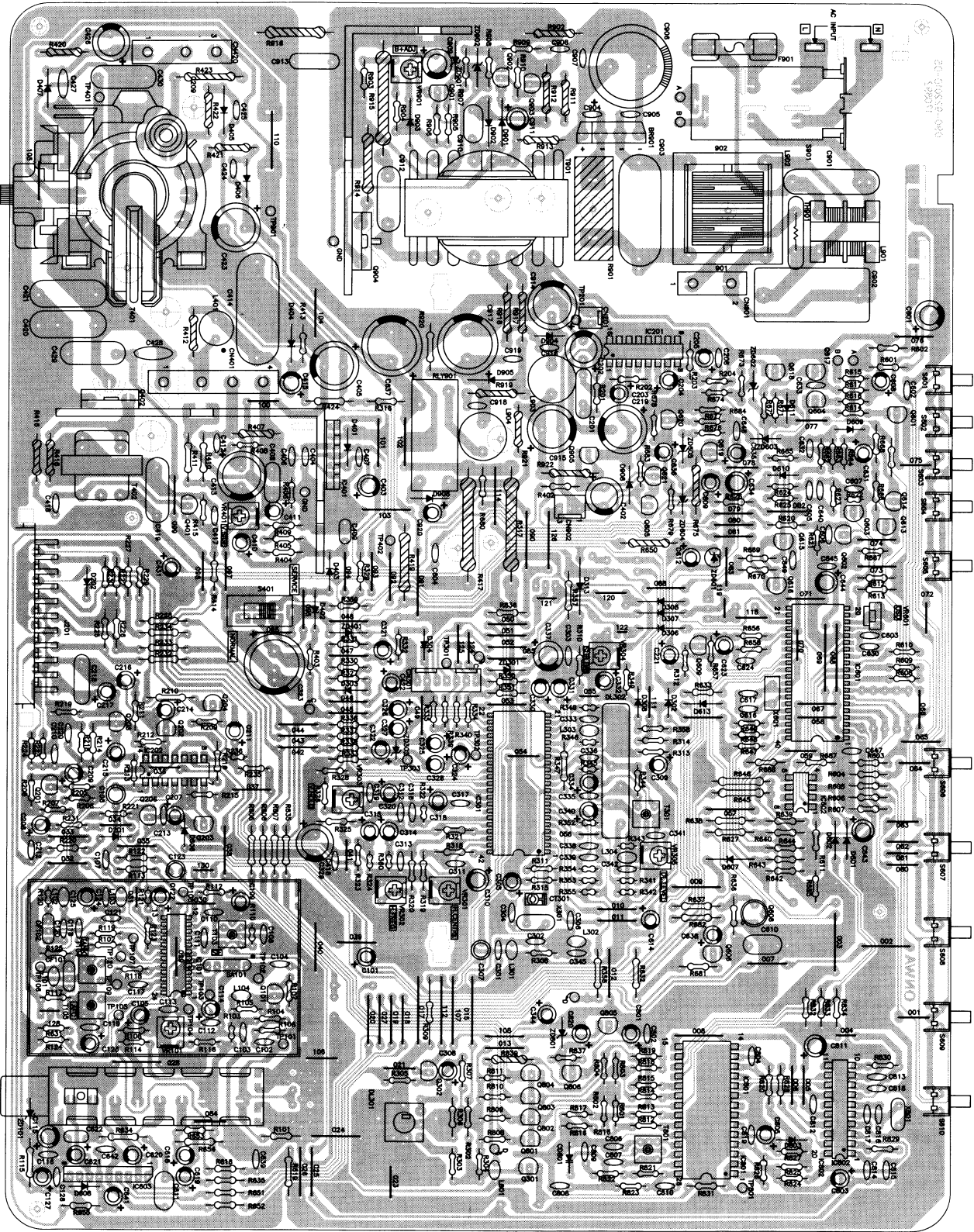
WAVEFORM



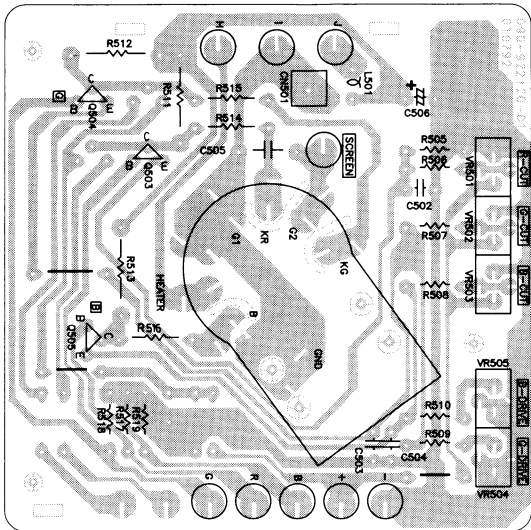
CIRCUIT SYMBOLS	
RESISTOR	CAPACITOR

- NOTE:
- (1) ALL CAPACITORS ARE IN μF UNLESS OTHERWISE NOTED.
 - (2) CAPACITORS ARE 50WV UNLESS OTHERWISE NOTED.
 - (3) ALL RESISTORS ARE IN OHM 1/16 WATT UNLESS OTHERWISE NOTED.
 - (4) RESISTOR NOT SPECIFICALLY DESIGNATED ARE CARBON FILM RESISTORS.
 - (5) DC VOLTAGE ARE MEASURED FROM POINTS INDICATED TO THE CIRCUIT GROUND WITH A DIGITAL MULTIMETER TEST.
 - (6) WAVEFORMS ARE TAKEN WITH SETTING CONTROLS TO A NORMAL CONDITIONS (COLOR PHILIPS PATTEN).
 - (7) THIS CIRCUIT DIAGRAM IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
 - (8) SAFETY CRITICAL DEVICE.

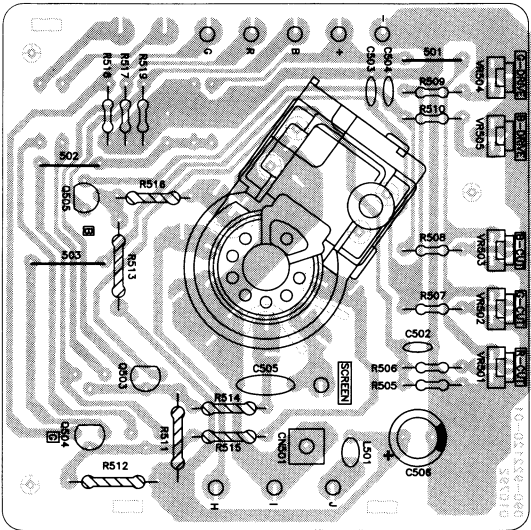
Bestückungsplan Grundplatine (Bestückungsseite)
Component diagram of main board (Top view)



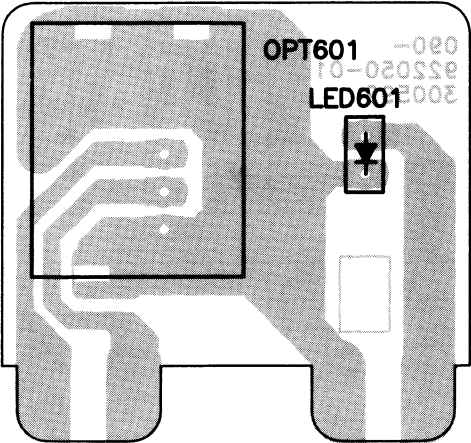
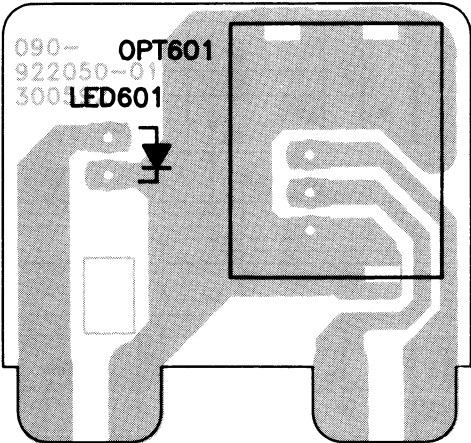
Bestückungsplan
Component diagram



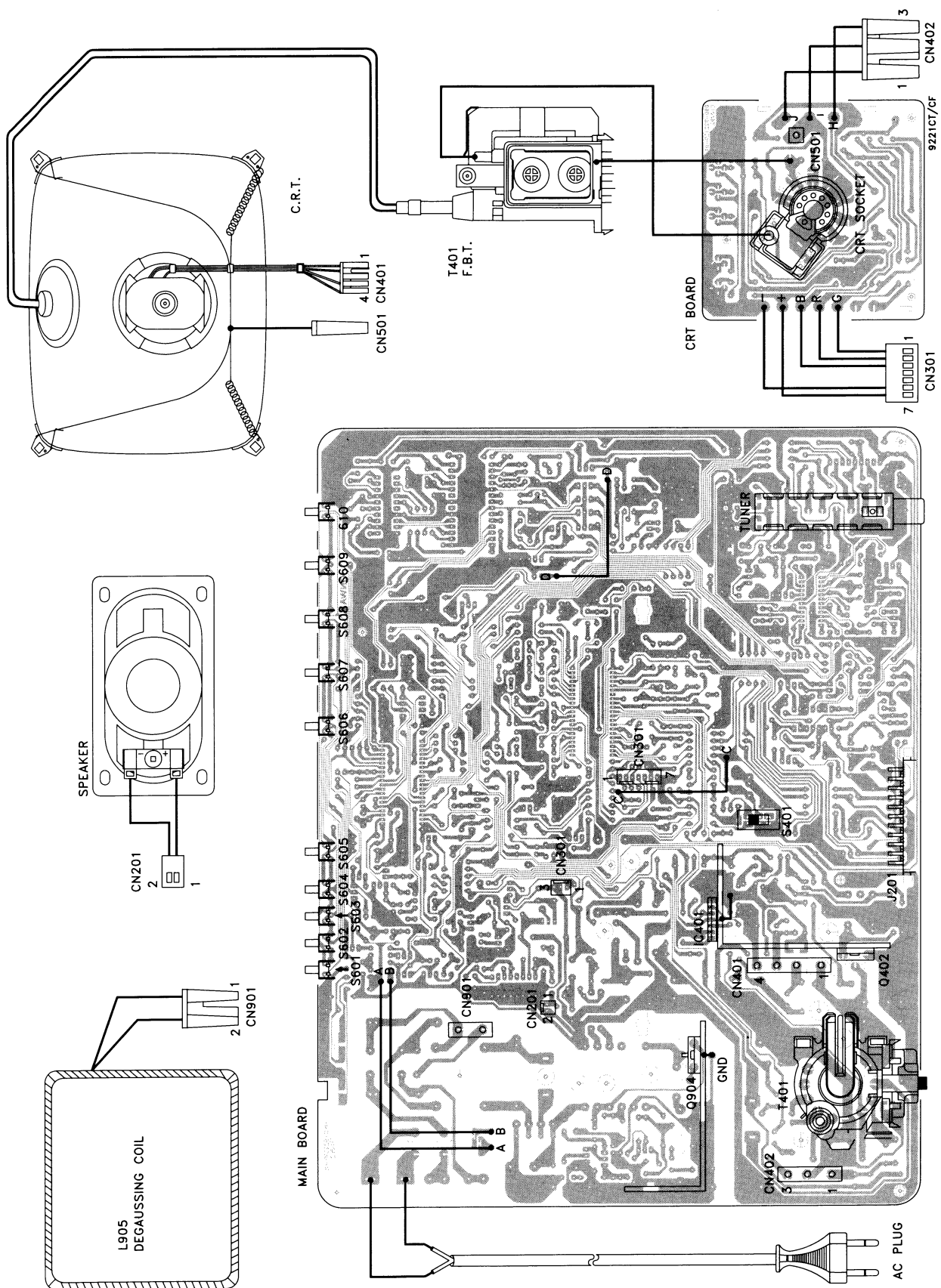
Bildrohrplatine/CRT board



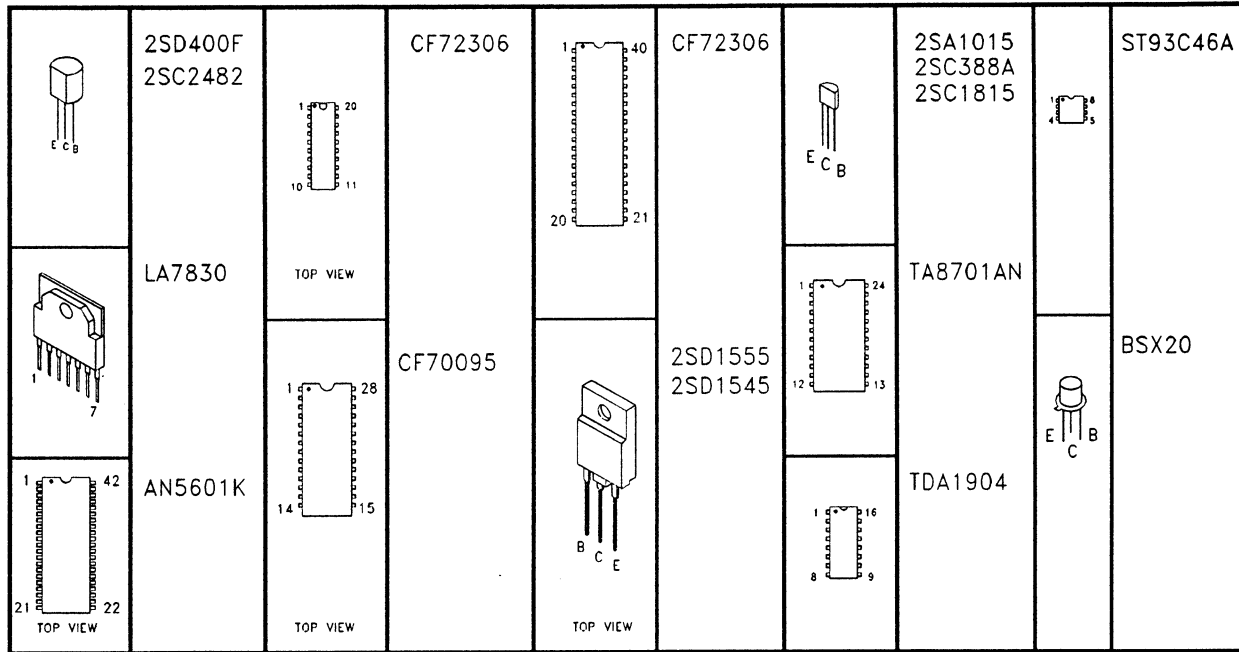
IR-Empfänger/Receive board



Wiring diagram



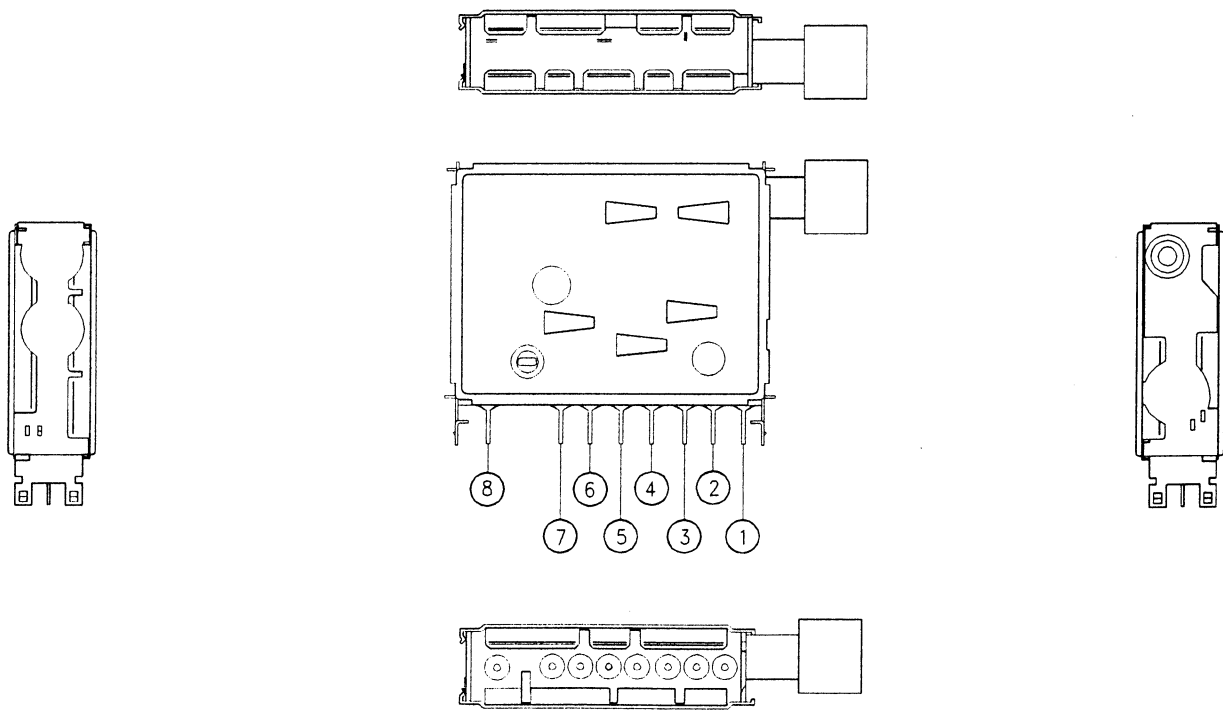
Transistor and IC identify



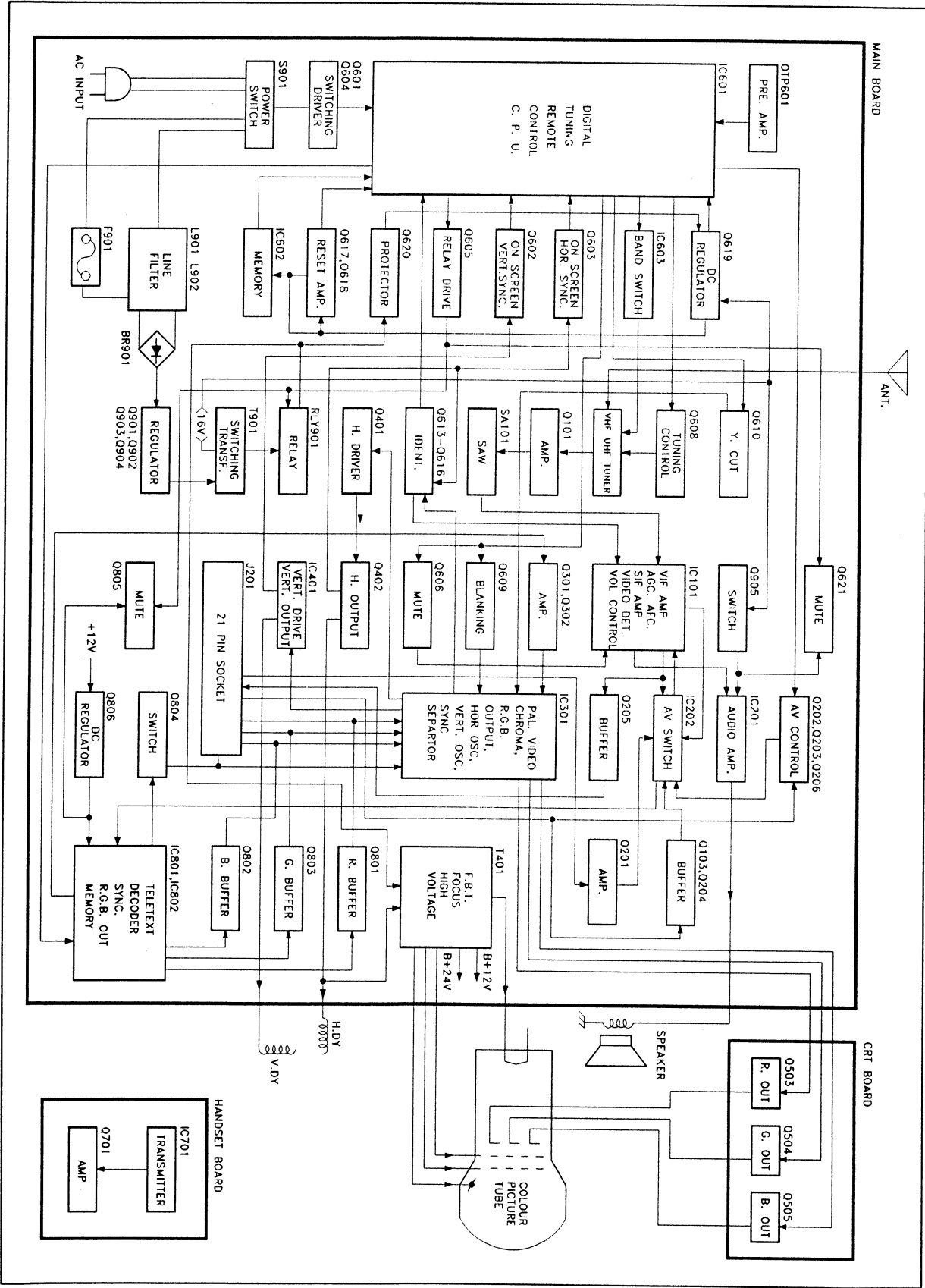
TERMINAL SUPPLY VOLTAGE TABLE

TERMINAL NO.	1	2	3	4	5	6	7	8	9
TERMINAL NAME	UHF	VT	VH	AGC	VL	AFT	BM	IF	V/U ANT

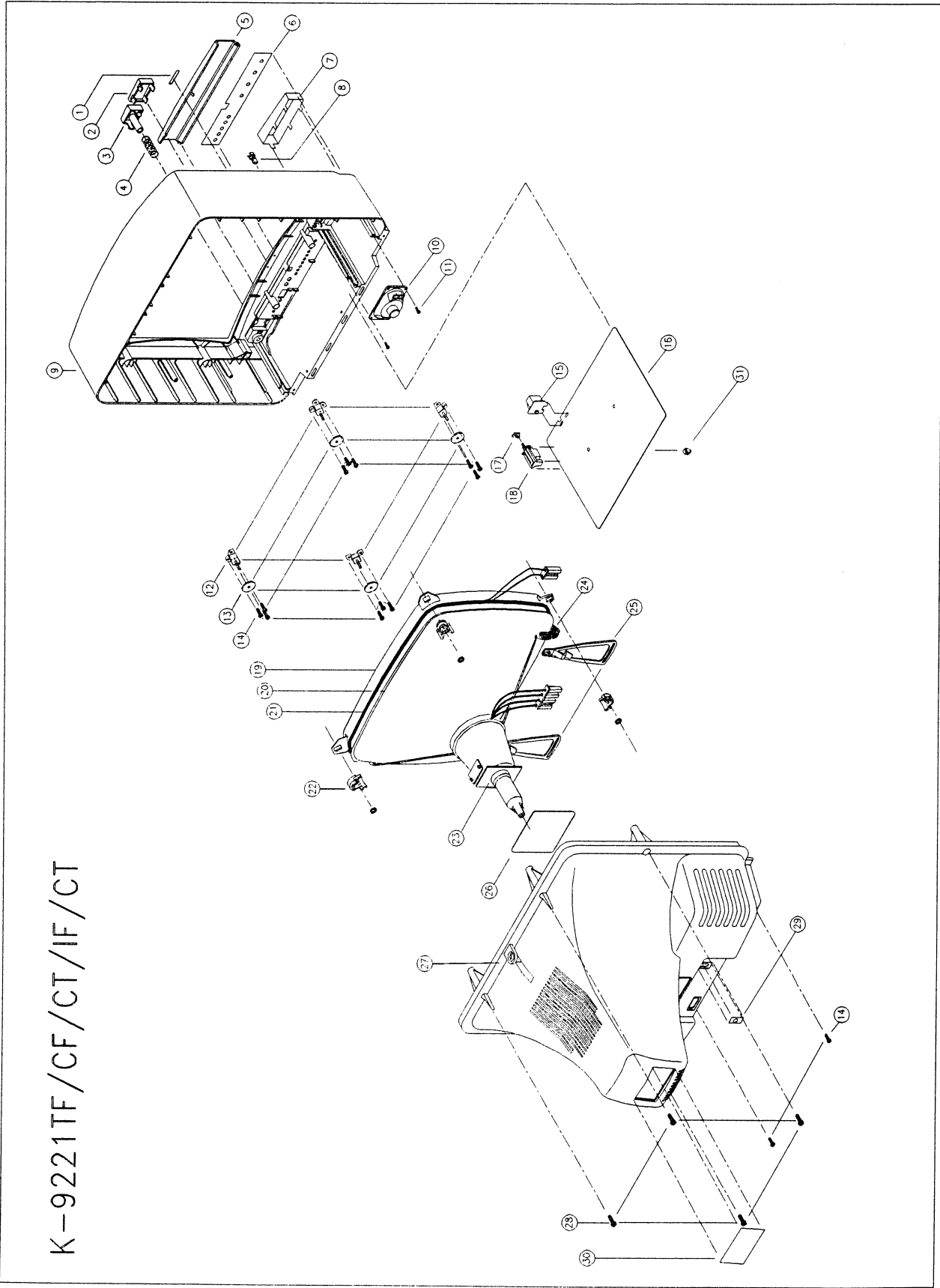
PICTORIAL VIEW OF TUNER



Blockdiagramm
Block diagram



Explosionsdarstellung
Exploded view diagram



Ersatzteilliste
Spare parts list

Achtung: Bestellhinweise (letzte Seite) beachten!
Important: Hints for order on last page!

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
70 292 00	Fernbedienungsgeber STV 5580	F.R.C. Handset assembly STV 5580		D6
70 500 00	Batteriefachdeckel Geber	Battery cover RC		A5
70 501 00	Anzeigefenster rot	Lens red	2	B2
70 502 00	Netzschalterknopf	Power knob	3	B1
70 503 00	Feder Netzschalterknopf	Spring power knob	4	A5
70 504 00	Bedienteilklappe STV 5580	Front panel door STV 5580	5	B9
70 505 00	Abdeckgitter, Lautsprecher	Speaker grill	7	B8
18 599 00	Rastmechnaik Bed.-Klappe	Door locker panel door	8	A9
70 506 00	Gehäusefront STV 5580	Cabinet front STV 5580	9	E7
70 507 00	Lautsprecher 8 Ω 3 W	Speaker 8 Ω 3 W	10	B8
70 508 00	Fernsehbaugruppe STV 5580	Semi complete chassis STV 5580	16/26	F8
70 432 00	Adapter Netzschalter	Adapter for power switch	17	A7
70 415 00	Farbbildröhre A 51 JAR 90 × 10	Colour picture tube A 51 JAR 90 × 10	19	H1
70 427 00	Entmagnetisierungsspule 21"	Degaussing coil 21"	21	C1
70 428 00	Halteclip Bildröhre	Mounting clip	22	A8
70 509 00	Rückwand STV 5580	Cabinet back STV 5580	27	D3
70 510 00	Tuner TERE 1–OM 1 A	Tuner TERE 1 OM 1 A		E2
70 511 00	Sockel Bildröhre HPS 2171–7	CRT socket HPS 2171–7		B4
45 501 00	Scartbuchse 21polig	Socket scart 21-pin	J 201	B8
70 512 00	IC TA 8701 AN	IC TA 8701 AN	IC 101	B7
70 513 00	IC TDA 1904	IC TDA 1904	IC 201	B4
52 577 00	IC HCF 4066 BE	IC HCF 4066 BE	IC 202	A5
70 514 00	IC AN 5601 K	IC AN 5601 K	IC 301	C5
29 858 00	IC LA 7830	IC LA 7830	IC 401	C0
70 515 00	IC TMS 73C47	IC TMS 73C47	IC 601	C8
70 516 00	IC XLS 93 LC 46 P	IC XLS 93 LC 46 P	IC 602	B4
60 221 00	IC LA 7910	IC LA 7910	IC 603	B1
70 517 00	IC CF 700 95 ZA	IC CF 700 95 ZA	IC 801	D5
61 541 00	IC CF 72 306	IC CF 72 306	IC 802	B8
70 518 00	IR-Empfänger GP 1U781 R	Opt.-Receiver GP 1U781 R	OPT 601	B9
48 461 00	Transistor 2 SC 388 ATM	Transistor 2 SC 388 ATM	Q 101	A2
60 431 00	Transistor 2 SD 1555 (2 SD 2333)	Transistor 2 SD 1555 (2 SD 2333)	Q 402	B7
12 959 00	Transistor 2 SA 1015	Transistor 2 SA 1015	Q 601	A6
44 763 00	Transistor 2 SD 400 F	Transistor 2 SD 400 F	Q 605	A2
44 718 00	Transistor BSX 20	Transistor BSX 20	Q 608	A7
44 763 00	Transistor 2 SD 400 F	Transistor 2 SD 400 F	Q 619	A2
44 763 00	Transistor 2 SD 400 F	Transistor 2 SD 400 F	Q 806	A2
65 710 00	Transistor 2 SB 774 T	Transistor 2 SB 774 T	Q 902	A3
70 519 00	Transistor 2 SD 1545	Transistor 2 SD 1545	Q 904	B5
44 763 00	Transistor 2 SD 400 F	Transistor 2 SD 400 F	Q 905	A2
21 736 00	Transistor 2 SC 1815 Y	Transistor 2 SC 1815 Y	div.	A6
65 711 00	Transistor 2 SC 2482	Transistor 2 SC 2482	div.	A3
70 451 00	Gleichrichter D 2 SBA S 60	Rectifier D 2 SBA S 60	BR 901	A8
70 452 00	Diode MA 858	Diode MA 858	D 305–307	A3
46 649 00	Diode BYT 52 K/S 5295 G/DFD 05 TG	Diode BYT 52 K/S 5295 G/DFD 05 TG	div.	A7
11 241 00	Diode 1 N 4148	Diode 1 N 4148	div.	A2
70 520 00	Diode JS 2638 AFC	Diode JS 2638 AFC	CD 801	A8
29 597 00	LED rot	LED red	LED 601	A5
65 607 00	Z-Diode 9,1 V	Z-Diode 9.1 V	ZD 101	A2
48 845 00	Z-Diode 5,1 V	Z-Diode 5.1 V	ZD 301	A1
06 227 00	Z-Diode 12 V	Z-Diode 12 V	ZD 401	A3
31 904 00	Z-Diode 3,9 V	Z-Diode 3.9 V	ZD 601-5	A1
21 352 00	Z-Diode 5,6 V	Z-Diode 5.6 V	ZD 603	A3
65 607 00	Z-Diode 9,1 V	Z-Diode 9.1 V	ZD 604	A2
21 352 00	Z-Diode 5,6 V	Z-Diode 5.6 V	ZD 801	A3
13 557 00	Z-Diode 8,2 V	Z-Diode 8.2 V	ZD 901	A2
65 607 00	Z-Diode 9,1 V	Z-Diode 9.1 V	ZD 902	A2
65 733 00	Schiebeschalter „Service-Normal“	Slide switch „Service-Normal“	S401	A2
70 454 00	Tipptaste „steh“	Tact switch	S 601–610	A7
65 732 00	Netzschalter	Power switch	S 901	C2
65 741 00	Relais 12 V	Relay 12 V	RLY 901	B9

Ersatzteilliste
Spare parts list

Achtung: Bestellhinweise (letzte Seite) beachten!
Important: Hints for order on last page!

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
70 455 00	Widerstand 8,2 K 5 W 5%	Resistor 8.2 K 5 W 5%	R 317	A8
40 132 00	Sich.-Widerstand 470 Ω ½ W 5%	Fuse resistor 470 Ω ½ W 5%	R 407	A2
23 630 00	Sich.-Widerstand 2,7 K ½ W 5%	Fuse resistor 2.7 K ½ W 5%	R 410	A1
48 738 00	Sich.-Widerstand 2,2 Ω 1 W 5%	Fuse resistor 2.2 Ω 1 W 5%	R 411	A2
31 374 00	Widerstand Metox 220 Ω 1 W 5%	Resistor 220 Ω 1 W 5%	R 412	A3
23 630 00	Sich.-Widerstand 2,7 K ½ W 5%	Fuse resistor 2.7 K ½ W 5%	R 416	A1
70 456 00	Widerstand Metox 3,3 K 5W 5%	Resistor 3.3 K 5W 5%	R 417	A8
66 113 00	Widerstand Metox 5,6 Ω 3 W 5%	Resistor 5.6 Ω 3 W 5%	R 419	A3
70 457 00	Widerstand 22 K 1 W 5%	Resistor 22 K 1 W 5%	R 420	A3
66 007 00	Sich.-Widerstand 0,68 Ω 1 W 10%	Fuse resistor 0.68 Ω 1 W 10%	R 421–422	A3
70 521 00	Sich.-Widerstand 1,5 Ω 2 W 5%	Fuse resistor 1.5 Ω 2 W 5%	R 423	A7
66 134 00	Widerstand 12 K 2 W 5%	Resistor 12 K 2 W 5%	R 511–513	A1
23 630 00	Sich.-Widerstand 2,7 K ½ W 5%	Fuse resistor 2.7 K ½ W 5%	R 514–516	A1
48 465 00	Widerstand Metox 10 K 2 W 5%	Resistor 10 K 2 W 5%	R 650	A1
66 010 00	Widerstand Metox 12 Ω 2 W 5%	Resistor 12 Ω 2 W 5%	R 675	A2
48 531 00	Zement-Widerstand 4,7 Ω 5 W 5%	Cement resistor 4.7 Ω 5 W 5%	R 901	A2
66 011 00	Widerstand Metox 2,2 Ω 2 W 5%	Resistor 2.2 Ω 2 W 5%	R 902	A2
66 131 00	Widerstand Metox 12 Ω 1 W 5%	Resistor 12 Ω 1 W 5%	R 911	A1
65 718 00	Widerstand Metox 27 Ω 2 W 5%	Resistor 27 Ω 2 W 5%	R 912	A1
70 459 00	Sich.-Widerstand 0,33 Ω 2 W 10%	Fuse resistor 0.33 Ω 2 W 10%	R 914	A8
65 719 00	Widerstand Metox 39 Ω 7 W 5%	Resistor 39 Ω 7 W 5%	R 915	A7
65 720 00	Widerstand VDE 8,2 M 1 W (High volt)	High voltage resistor 8.2 M 1 W	R 916	A4
66 007 00	Sich.-Widerstand 0,68 Ω 1 W 10%	Fuse resistor 0.68 Ω 1 W 5%	R 917	A3
66 006 00	Sich.-Widerstand 0,68 Ω ½ W 5%	Fuse resistor 0.68 Ω ½ W 5%	R 918	A3
66 010 00	Widerstand Metox 12 Ω 2 W 5%	Resistor 12 Ω 2 W 5%	R 919	A2
70 522 00	Sich.-Widerstand 150 K ½ W 5%	Fuse resistor 150 K ½ W 5%	R 920	A2
66 836 00	Widerstand Metox 10 Ω 3 W 5%	Resistor 10 Ω 3 W 5%	R 922	A2
65 715 00	Widerstand PTC	Resistor PTC	TH 901	A9
34 963 00	Elko 3300 µF 16 V	Elect. capacitor 3300 µF 16 V	C 323	B1
38 713 00	Elko 1000 µF 35 V	Elect. capacitor 1000 µF 35 V	C 405	A8
66 013 00	Kondensator 0,27 µF 200 V	Capacitor 0.27 µF 200 V	C 414	A7
44 878 00	Elko 1 µF 160 V	Elect. capacitor 1 µF 160 V	C 415	A9
45 109 00	Kondensator 2,2 nF 500 V	Capacitor 2.2 nF 500 V	C 418/919	A3
70 463 00	Kondensator Foko 47 nF 200 V	Capacitor 47 nF 200 V	C 419/429	A5
34 833 00	Kondensator Kerko 1200 pF 2 kV	Capacitor 1200 pF 2 kV	C 420	A5
40 705 00	Kondensator Foko 2,2 nF 1600 V	Capacitor 2.2 nF 1600 V	C 421	A7
65 713 00	Kondensator Kerko 1200 pF 500 V	Capacitor 1200 pF 500 V	C 424–427	A2
38 714 00	Elko 10 µF 250 V	Elect. capacitor 10 µF 250 V	C 426	A4
45 110 00	Kondensator Kerko 2,2 nF 2 KV	Capacitor 2.2 nF 2 kV	C 428/912	A3
66 216 00	Kondensator 0,056 µF 200 V	Capacitor 0.056 µF 200 V	C 430	A4
70 464 00	Kondensator 5,6 nF 2 kV	Capacitor 5.6 nF 2 kV	C 505	A7
45 116 00	Elko 22 µF 250 V	Elect. capacitor 22 µF 250 V	C 506	A6
24 197 00	Elko 100 µF 160 V	Elect. capacitor 100 µF 160 V	C 637/917	B2
32 159 00	Kondensator Foko 47 nF 250 V AC	Capacitor 47 nF 250 V AC	C 901	A8
45 121 00	Kondensator Foko 0,47 µF 250 V	Capacitor 0.47 µF 250 V	C 902–903	B3
65 716 00	Kondensator Kerko 4,7 nF 500 V	Capacitor 4.7 nF 500 V	C 904–918	A2
60 447 00	Elko 100 µF 400 V	Elect. capacitor 100 µF 400 V	C 906	B6
37 932 00	Kondensator Kerko 2,2 nF 400 V	Capacitor 2.2 nF 400 V	C 913	A7
40 135 00	Kondensator Kerko 680 pF 500 V	Capacitor 680 pF 500 V	C 916	A1
60 287 00	Trimmer 30 pF	Trimmer 30 pF	CT 301	A4
66 227 00	Spule JFT-TV	JFT-TV coil	T 103	A4
66 225 00	Filter JFT 370 28 MP	JFT-coil 370 28 MP	T 104–105	A4
66 029 00	Filter Chroma	Chroma JFT coil	T 301	A4
70 523 00	Zeilentrafo CF 0341	Flyback transformer CF 0341	T 401	A9
65 728 00	Treibertrafo Horizontal R 0710	Hor.- driver transformer R 0710	T 402	A6
70 467 00	Spule JFT-TV 1046	JFT-TV-coil	T 801	A4
70 473 00	Trafo Schaltnetzteil HL 4025 B	Switching transformer HL 4025 B	T 901	C5
66 021 00	Spule 65 µH	Coil 65 µH	L 401	A9
66 209 00	Netzdrossel LS – 13107	Choke transformer LS–13107	L 901	B1
65 725 00	Netzdrossel 39 mH	Line filter 39 mH	L 902	B5
66 020 00	Spule 160 µH	Choke coil 160 µH	L 903–904	B0
37 532 00	Filter Keramik TPS 5,5 MB	Trap filter TPS 5.5 MB	CF 101	A5
24 289 00	Filter Keramik SFE 5,5 MB	Ceramic filter SFE 5.5 MB	CF 102	B9
70 524 00	Filter OFW-G 1962 M 38,9 MHz	Saw filter G 1962 M	SA 101	B5
23 096 00	Quarz 8,867238 MHz	Crystal 8.867238 MHz	X 301	B4
46 839 00	Keramik-Schwinger CSA 4,00	Ceramic resonator CSA 4.00	X 601	A7
38 204 00	Quarz 13,875 MHz	Crystal 13.875 MHz	X 801	A8
70 525 00	Verzögerungsleitung ELT 10 Z 216	Delay line ELT 10 Z 216	DL 301	B4
70 526 00	Verzögerungsleitung YCS-EN 645	Delay line YCS-EN 645	DL 302	B6
70 294 00	Faltkarton STV 5580	Carton STV 5580		C4
70 295 00	Styropor kompl. STV 5580	Poly foam set STV 5580		C3

Technische Daten

Specification

SYSTEM		:	PAL-B/G	
DESTINATION		:	B/G COUNTRY	
CHANNEL COVERAGE	VHF LOW	:	E2 - E4, SS1 - 3, S1 - 2	
	VHF HIGH	:	E5 - E12, S3 - 20	
	UHF	:	21 - 69	
FREQUENCY RANGE	VHF LOW	:	48.25 - 112.25	MHz
	VHF HIGH	:	119.25 - 294.25	MHz
	UHF	:	471.25 - 855.25	MHz
SCANNING	LINES	:	625	LINES
	HORIZONTAL	:	15625	Hz
	VERTICAL	:	50	Hz
IF FREQUENCY	VIDEO	:	38.9	MHz
	SOUND	:	33.4	MHz
	CHROMA	:	34.47	MHz
VISION/SOUND SEPARATION		:	5.5	MHz
SENSITIVITY	VHF LOW	:	32	uV
	VHF HIGH	:	56	uV
	UHF	:	80	uV
OUTPUT POWER	MAXIMUM	:	2	W
	10% THD	:	1.5	W
C.R.T.		:	21" (53.5 cm) Diagonal	
SPEAKER		:	2" x 3½"	
ANTENNA IMPEDANCE		:	75	ohm
POWER CONSUMPTION		:	80	Watts
POWER SOURCE		:	180 - 240	V
TELETEXT SENSITIVITY		:	100	uV